Jameco Part number 132901
Vector-2XT Gimbaled Electronic Compass Module
http://www.pcweb.com/pni/oem/gimbaled/

VECTOR-2XT GIMBALED ELECTRONIC COMPASS MODULE

Preliminary Data Sheet

DESCRIPTION

Precision Navigation, Inc. continues to expand its line of electronic compasses and subsystems. With the introduction of the Vector-2XT Compass Module, PNI now provides superior OEM components at every price point. The Vector-2XT is a mechanically gimbaled version of the Vector 2X. It was designed for applications which required some tilt compensation.

The Vector-2XT Compass Module is a 2-axis magnetometer designed to give its users the ability to inexpensively "plug and play" a highly accurate compass into their systems. It is as effective as it is affordable and represents a new breakthrough in price and performance.

FEATURES/BENEFITS

- 2° accuracy, 1° resolution
- Dynamic range: ±15°
- Small size: 1.50" x 1.30" x 1.0" or 2.5" x 1.3" x 0.625"%r*%r
- Low power: single 5 volt supply, less than 10 draw (<1 mA in power down mode)
- Hard iron calibration
- 5 Hz sampling rate (in continuous mode)
- Easily "plugged in" to OEM systems
- 3-Wire serial output format (Motorola SPI and National Microwire compatible)
- Raw uncalibrated output optional
- Pin selectable BCD or Binary output format
- Master or slave capability for data clock generation
- Temperature range, -20° to 70° C
- Continuous or polled mode options

* to be determined

POTENTIAL USERS/USES

- Autopilots and other marine electronics
- GPS system backup azimuth data
- Remote Terrestrial Antenna direction indicators
- Auto and industrial navigation systems
- Consumer and hobbyist markets

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- Survey Instruments
- Laboratory equipment
- Agricultural equipment
- Azimuth indicators

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